Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/07/2022 09:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124615	-1	1.28	124566	1.28
Blue	F	SSC	125000	123227	-2	2.46	123861	2.34
Blue	E	FITC	13602	13282	-3	2.23	371	14.15
Blue	D	PE	24891	24621	-2	1.65	583	10.44
Blue	B	PerCP-Cy5-5	33972	33251	-3	2.91	948	14.85
Blue	A	PE-Cy7	22865	22717	-1	4.87	474	30.98
Red	C	APC	47198	46845	-1	2.55	1616	11.19
Red	A	APC-Cy7	26454	25546	-4	2.90	724	11.74
Violet	B	V450	6737	6442	-5	3.64	449	11.06
Violet	A	V500	29317	28355	-4	3.12	969	8.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24162	2.31	565	30	N/A	N/A	Pass
Blue	F	SSC	55415	2.02	521	0	N/A	N/A	Pass
Blue	E	FITC	56	55.60	490	6	0.0383	133	Pass
Blue	D	PE	111	39.41	493	7	0.4128	315	Pass
Blue	B	PerCP-Cy5-5	151	41.57	586	7	0.0201	95	Pass
Blue	A	PE-Cy7	79	79.43	630	9	0.0214	0	Pass
Red	C	APC	339	25.58	575	3	0.0303	232	Pass
Red	A	APC-Cy7	136	33.81	552	1	0.0072	1578	Pass
Violet	B	V450	77	46.08	448	-2	0.0683	2776	Pass
Violet	A	V500	114	29.92	468	-1	0.0247	629	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.33	-32.09	1.05
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.42
Red	15.41	13.90 - 20.86	N/A	N/A	30.45	30.69	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 10263

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments